

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application:

Claims 1.-13. (cancelled)

14. (currently amended) A wave gear drive comprising: a rigid internal gear; a flexible external gear located inside the internal gear; a wave generator located inside the internal gear; and a lightweight bearing that couples the rigid internal gear and flexible external gear in a state in which there can be relative rotation between the internal gear and the external gear, wherein the rigid internal gear further includes a main gear member that has fixing holes formed therein to enable attachment to another member; and surface portion having a hard plated coating that seats fasteners used in the fixing holes;

wherein the plated coating is an electroplated or electroless coating of nickel or chromium

~~A wave gear drive according to claim 13, wherein the plated coating has~~
having a thickness within a range of 5 microns to 40 microns.

15. (currently amended) A wave gear drive comprising: a rigid internal gear; a flexible external gear located inside the internal gear; a wave generator located inside the internal gear; and a lightweight bearing that couples the rigid internal gear and flexible external gear in a state in which there can be relative rotation between the internal gear and the external gear, wherein the rigid internal gear further includes a main gear member that has fixing holes formed therein to enable attachment to another member; and surface portion having a hard plated coating that seats fasteners used in the fixing holes;

wherein the plated coating is an electroplated or electroless coating of nickel or chromium, and

~~A wave gear drive according to claim 13,~~ wherein the seat has a limit contact pressure that is at least approximately 25 kgf/mm².

Claims 16. - 18. (cancelled)

19. (currently amended) A wave gear drive comprising:

a rigid internal gear; a flexible external gear located inside the internal gear; a wave generator located inside the internal gear; and a lightweight bearing configured to couple the rigid internal gear and flexible external gear in a state in which there can be relative rotation between the internal and external gears;

the rigid internal gear includes a main gear member, and a circular teeth formation member that is attached to the inner peripheral surface of the main gear member and has internal teeth formed on its inner peripheral surface, the teeth formation member being formed of an iron-based material and the main gear member being formed of a lightweight material that is lighter than the iron-based material;

the main gear member of the rigid internal gear has fixing holes formed therein to enable attachment to another member; and a surface portion having a hard-plate coating that seats fasteners used in the fixing holes;

wherein the plated coating is an electroplated or electroless coating of nickel or chromium

~~A wave gear drive according to claim 18, wherein the plated coating has~~
having a thickness within a range of 5 microns to 40 microns.

20. (currently amended) A wave gear drive comprising:

a rigid internal gear; a flexible external gear located inside the internal gear; a wave generator located inside the internal gear; and a lightweight bearing configured to couple the rigid internal gear and flexible external gear in a state in which there can be relative rotation between the internal and external gears;

the rigid internal gear includes a main gear member, and a circular teeth formation member that is attached to the inner peripheral surface of the main gear member and has internal teeth formed on its inner peripheral surface, the teeth formation member being formed of an iron-based material and the main gear member being formed of a lightweight material that is lighter than the iron-based material;

the main gear member of the rigid internal gear has fixing holes formed therein to enable attachment to another member; and a surface portion having a hard-plate coating that seats fasteners used in the fixing holes

wherein the plated coating is an electroplated or electroless coating of nickel or chromium, and

~~A wave gear drive according to claim 17, wherein the seat has a limit~~
contact pressure that is at least approximately 25 kgf/mm².

Claims 21., 22. (cancelled)